

INTERNATIONAL SEARCH REPORT

International application No.

PCT/FI 2003/000984

A. CLASSIFICATION OF SUBJECT MATTER

IPC7: B25D 17/24, B25D 17/22, B25D 9/14, E21B 1/38
According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC7: B25D, E21B

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

SE,DK,FI,NO classes as above

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)

EPO-INTERNAL

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
P,X	FR 2837523 A1 (MONTABERT SA), 26 Sept 2003 (26.09.2003)	1,7,12
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A	EP 0856637 A1 (FURUKAWA CO., LTD.), 5 August 1998 (05.08.1998), column 7, line 53 - column 8, line 2, figure 5	
	--	
A	FR 2596681 A1 (EIMCO-SE-COMA.), 9 October 1987 (09.10.1987)	
	--	
D,A	US 6186246 B1 (T. MUUTTONEN ET AL), 13 February 2001 (13.02.2001)	
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☐ Further documents are listed in the continuation of Box C.☒ See patent family annex.

* Special categories of cited documents:

- "A" document defining the general state of the art which is not considered to be of particular relevance
- "E" earlier application or patent but published on or after the international filing date
- "L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)
- "O" document referring to an oral disclosure, use, exhibition or other means
- "P" document published prior to the international filing date but later than the priority date claimed

"T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention

"X" document of particular relevance: the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone

"Y" document of particular relevance: the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art

"&" document member of the same patent family

Date of the actual completion of the international search

20 April 2004

Date of mailing of the international search report

10 -06- 2004

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INTERNATIONAL SEARCH REPORT

Information on patent family members

30/04/2004

International application No.

PCT/FI 2003/000984

FR	2837523	A1	26/09/2003	WO	03078107	A	25/09/2003
EP	0856637	A1	05/08/1998	JP	9258529	A	03/10/1997
				US	5896937	A	27/04/1999
				JP	3483015	B	06/01/2004
				JP	9109064	A	28/04/1997
				WO	9714870	A	24/04/1997
FR	2596681	A1	09/10/1987	NONE			
US	6186246	B1	13/02/2001	AU	703027	B	11/03/1999
				AU	7217996	A	30/04/1997
				CA	2234448	A	17/04/1997
				EP	0946338	A	06/10/1999
				FI	98401	B,C	28/02/1997
				FI	954821	D	00/00/0000
				JP	11513319	T	16/11/1999
				NO	306500	B	15/11/1999
				NO	981581	A	14/05/1998
				PL	182408	B	31/12/2001
				PL	326197	A	31/08/1998
				RU	2212328	C	20/09/2003
				WO	9713621	A	17/04/1997